

-1- (JAPIO)
ACCESSION NUMBER
TITLE
PATENT APPLICANT
INVENTORS

PATENT NUMBER
APPLICATION DETAILS
SOURCE

INT'L PATENT CLASS
JAPIO CLASS
ABSTRACT

85-175368
ZINC-ALKALINE PRIMARY CELL
(2000582) MATSUSHITA ELECTRIC IND CO LTD
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TSUKASA
85.09.09 J60175368; JP 60-175368
84.02.20 84JP-030550, 59-30550
86.01.17 SECT. E, SECTION NO. 374; VOL. 10, NO. 11,
PG. 111.
H01M-004/42
42.9 (ELECTRONICS--Other)
PURPOSE: To reduce the amalgamation factor of
negative-electrode zinc and make a primary cell to
have low environmental pollution by adding Al or Mg;
one or more of Pb, Cd, Sn; and Al, Ag, In, etc. to Zn
to form amalgamated zinc alloy for use as a
negative-electrode active material.
CONSTITUTION: An alloy made by adding at least either
Al or Mg, one or more of Pb, Cd, Sn, one or more of
Ga, Tl, Ag, In to the main component Zn is
pulverized, then it is amalgamated. This amalgamated
zinc alloy is used as a negative electrode active
material. Accordingly, the amalgamation factor is
reduced and a zinc-alkaline primary cell having low
environmental pollution and excellent in performance
such as storage characteristic, leakage resistance
can be obtained without deteriorating the corrosion
resistance and discharge performance of the
negative-electrode zinc.